

Abstract

A locking device of a closure with a housing, particularly of a laboratory centrifuge, comprising at least one swiveling lever pivotally supported about an axis of rotation in the housing including a projecting guide element, at least one drive to pivot the swiveling lever about the axis of rotation, at least one catch hook supported on the swiveling lever at a spacing from the axis of rotation on a pivot axis which, at a radial spacing from the pivot axis, has a cam segment concentric thereto, into which the guide element of the swiveling lever engages, at least one spring means biasing the catch hook in the closing direction until the guide element bears against a first final stop of the cam segment, and at least one closing edge of the closure adapted to be gripped over on the closure so that if the catch hook is in an opening position and the swiveling lever is pivoted in the closing direction the spring means holds the catch hook with the first final stop on the guide element in order to pivot the catch hook with the swiveling lever in the closing direction and, if the catch hook impinges on the closing edge and the swiveling lever continues to be pivoted in the closing direction the guide element will move, within the cam segment, to a second final stop thereof, wherein the swiveling lever moves the pivot axis with the catch hook in the closing direction of the closure and, thus, the catch hook pulls the closure into the closing position.

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